

--against at least target sequence in the Myf-3 gene. Preferable target sequences of the Myf-3 gene are as follows:

5' GCG GCG ACT CCG ACG CGT CCA GCC CGC GCT CC 3' (SEQ ID NO:1)

5' TTA TAC CGC AGG CGG GCG AGC CGC GGG CGC TCG CT 3' (SEQ ID NO:2)

5' CCG AGA GCC CTG CGG GGC CCG CCC TCC TGC TGG CG 3' (SEQ ID NO:3)

In another embodiment of the invention, the labeled oligonucleotide sequence is directed against at least a target sequence in the glutathione-S-transferase (pi) gene. Preferable target sequences of the glutathione-S-transferase (pi) gene would be as follows:

5' CTC CAG CGA CGG CCT CGC GGC CTC CGA GCC TTA TAA G 3' (SEQ ID NO:4)

5' GGG GAC GCG GGC CGC GCG TAC TCA CTG GTG GCG A 3' (SEQ ID NO:5)--

On page 16, please replace Table 1 with the following Table:

Molecular Beacon A	5'-(6FAM) <u>CGA GGC</u> GGG CTG GAC GCG TCG GAG <u>GCC</u> TCG (DABCYL)-3' (<u>SEQ ID NO:6</u>)
Molecular Beacon B	5'-(6FAM) <u>CGA GGG</u> GGC TGG ACG CGT CGG AGC <u>CTC G</u> (DABCYL)-3' (<u>SEQ ID NO:7</u>)
Complementary strand A	5'-CTC CGA CGC GTC CAG CCC G-3' (<u>SEQ ID NO:8</u>)
Complementary strand B	5'-CTC CGA CGC GTC CAG CCC-3' (<u>SEQ ID NO:9</u>)
5M	5'-GC _m G GC _m G ACT CC _m G AC _m G C _m GT CCA GCC C _m GC _m GCT CC-3' (<u>SEQ ID NO:10</u>)
Non-5M	5'- GCG GCG ACT CCG ACG CGT CCA GCC CGC GCT CC-3' (<u>SEQ ID NO:1</u>)

C_m – 5 methylated cytosines

5M – preferred Myf-2 target sequence, 5M methylated, Non-5M unmethylated (see page 12, line 8)

The stem sequences are underlined